

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-046400

(43)Date of publication of application : 16.02.1999

(51)Int.Cl. H04S 3/00
G10K 15/00
H03G 11/00
H03H 17/02
H03H 17/02
H04S 5/02
H04S 7/00

(21)Application number : 09-200439 (71)Applicant : YAMAHA CORP

(22)Date of filing : 25.07.1997 (72)Inventor : KAMIYA SATORU

(54) SOUND IMAGE LOCALIZATION DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a sound image localization device by which a presence of as if a sound source were actually in existence there is obtained, based on position information of the sound source placed at other positions.

SOLUTION: An audio signal S received by a sound image localization device 100 is separated into signals S1, S2, S3, S4 and they are respectively given to an FR filter 105, an FL filter 106, an RL filter 107 and an RR filter 108. On the other hand, position information of a sound source is given to a parameter generator 109. The parameter generator 109 generates a signal used by each filter for time-delay processing and a signal used by each filter for amplitude adjustment processing, based on the received position information and provides outputs of the signals to each filter. Each filter applies delay processing and amplitude adjustment to the received signal S, based on the signals generated by the parameter generator 109 and provides the outputs of signals S'1, S'2, S'3 and S'4.

